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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,417	06/26/2003	Arun V. Shastry	02280.003530	4883
5514	7590	09/26/2006	EXAMINER	
FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112			FAISON GEE, VERONICA FAYE	
			ART UNIT	PAPER NUMBER
			1755	
DATE MAILED: 09/26/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/606,417

Applicant(s)

SHASTRY ET AL.

Examiner

Veronica Faison-Gee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 26 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 3-5, 7, 8, 10-17, 19, 20, 22, 23, 25, 28-30 and 33-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 3-5, 7, 8, 10-17, 19, 20, 22, 23, 25, 28-30 and 33-41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 3-5, 7, 8, 10-17, 19, 20, 22, 23, 25, 28-30, and 33-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reitnauer et al (2003/0101902) in view of Kojima et al (US Patent 6,450,615).

Reitnauer et al teaches a method for forming a mark on a food product wherein the ink composition comprises a wax and colorant, and may further comprise a resin and antioxidant (abstract and page 1 para. 0011). The reference further teaches that the resolution of the mark can be at least 50 dpi and the food product may be an egg, cheese, fruit or a confectionary (page 1 para. 0008-0009). The wax may be selected

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from beeswax, candelilla wax, carnauba wax, polyethylene glycol and cocoa butter wherein the wax is present in the amount of 50 to 99 percent by weight (page 2 para. 0019-0020). The colorant may include a pigment or dye (page 2 para. 0025-0026). The ink composition may further comprise a stabilizer (page 2 para. 0027). The ink composition may include other conventional hot melt ink components, wherein the amount of the components may be included in the ink to provide the desired viscosity (page 3 para. 0030). Reitnauer et al also teaches that the ink may be used in a conventional hot melt ink jet printer, piezoelectric printer (page 3 para. 0033-0034). Reitnauer et al fail to teach the specific printing method.

Kojima et al teaches a droplet ejection apparatus that may be used with various types of ink compositions (abstract). The reference further teaches that the printing apparatus has a resolution of 300 dpi or higher (col. 2 lines 39-50). The reference discloses that in general ink used for a droplet ejection apparatus has a viscosity of 8 to 15 cp in the case of a hot melt ink composition and the surface tension for any of the inks would be in the range between 10 and 70 dyne/cm (col. 3 lines 26-31).

Therefore it would have been obvious to one of ordinary skill in the art to use the ink composition as taught by Reitnauer et al in the apparatus of Kojima, because Kojima apparatus may be used with hot melt ink compositions like that taught by Reitnauer et al.

### ***Response to Arguments***

Applicant's arguments filed 6-26-06 have been fully considered but they are not persuasive.

Applicant argues that Reitnauer does not teach how to disperse a water soluble colorant into a fat or wax base using a carrier for the colorant. The Examiner agrees, however the independent claim does not require a water-soluble colorant nor does it claim a method of making.

Applicant argues that Kojima does not disclose compatibility of an edible wax based ink for a wax sugar shell surface, characterized by a contact angle. The composition taught by the primary teaches an edible wax ink that may be used in ink jet printing. Kojima is to show the general properties of a wax based ink jet ink. It is the position of the Examiner that any wax based ink edible or non-edible would work in Kojima reference absence evidence to the contrary.

Applicant argues that Reitnauer does not teach using glycerin, or other polyol as a carrier. Although the reference does not specific teach glycerin or other polyol as carriers, does not disclose components for the same reason does not mean that components are not capable of performing that function.

Applicant argues that Reitnauer and Kojima are both devoid of any disclosure teaching a contact angle and steps for obtaining a high-resolution image. The reference teaches an ink composition similar to that claimed by Applicant, though the references remain silent to particular aspects of Applicant's claimed invention does not mean that the references do not possess these properties absence tangible evidence to the contrary.

### ***Conclusion***

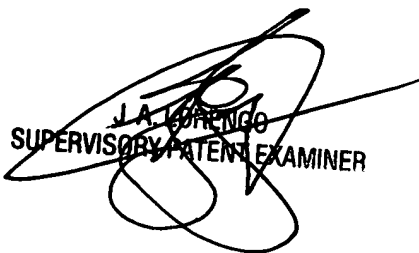
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Veronica Faison-Gee whose telephone number is 571-272-1366. The examiner can normally be reached on Monday-Thursday and alternate Fridays 8 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

vfg  
9-18-06

  
J. A. LORENGO  
SUPERVISORY PATENT EXAMINER